

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1. Product identifier:**
PROTECT natural mosquito and tick repellent spray
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:**
Ready to use repellent (against mosquito, tick and black flies) for adults and children older than 3 months.
For consumer use.

Uses advised against: Can be used on textiles, but a preliminary test is recommended (risk of stains).

Biocide product type: PT19
- 1.3. Details of the supplier of the safety data sheet:**

Information about the distributor:
Bábolna Bio PLC
H-1107 Budapest, Szállás u. 6.
Tel.: (36-1) 432-0400
- 1.3.1. Responsible person: -
E-mail: info@babolna-bio.com
- 1.4. Emergency telephone number:** Eitrunarmiðstöð (Landspítali- The National University Hospital of Iceland)
Tel: 543 2222; 112; 543 1000

SECTION 2: HAZARDS IDENTIFICATION

- 2.1. Classification of the substance or mixture:**

Classification according to Regulation (EC) No 1272/2008 (CLP):

Not considered as hazardous mixture.

Hazard statements: No hazard statements.
- 2.2. Label elements:**

Active substance content: *Eucalyptus citriodora* oil, hydrated, cyclized (CAS: 1245629-80-4) 200 g/l

Hazard statements: No hazard statements.

Precautionary statements: No precautionary statements.

EUH 208 – Contains (2-Hydroxy- $\alpha,\alpha,4$ -trimethylcyclo-hexanemethanol; Citronellol; Cineole. May produce an allergic reaction.

Note:
Biocide product, it should be packed/labelled according to Regulation (EU) No. 528/2012 of 22 May 2012 concerning the making available on the market and use of biocidal products.
- 2.3. Other hazards:**
The product has no other known specific hazards for human or environment.
The product does not meet the criteria for PBT or vPvB substances.
Endocrine disrupting property: Based on available data, does not contain endocrine disruptors.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances:

Not applicable.

3.2. Mixtures:

Chemical description: EC Oil (H/C) Emulsion Repellent "Representative Product" (RP).

Hazardous ingredients:

Description	CAS number	EC number / ECHA list number	REACH registration number	Conc. (%)	Classification according to Regulation (EC) No 1272/2008 (CLP)		
					Pictogram, signal word code(s)	Hazard class and category code(s)	Hazard statement code(s)
<i>Eucalyptus citriodora</i> oil, hydrated, cyclized*	1245629-80-4	800-429-0	-	20.00	GHS07 Warning	Eye Irrit. 2	H319
2-Hydroxy- $\alpha,\alpha,4$ -trimethylcyclohexanemethanol*/**	42822-86-6	255-953-7	-	10.00 - <15.00	GHS02 GHS07 Warning	Flam. Liq. 3 Skin Sens. 1 Aquatic Chronic 3	H226 H317 H412
White mineral oil (petroleum)*	8042-47-5	232-455-8	01-2119487078-27	≥ 5.00 - <10.00	GHS08 Danger	Asp. Tox. 1	H304
Citronellol*/**	106-22-9	203-375-0	-	<2.00	GHS07 Warning	Eye Irrit. 2 Skin Irrit. 2 Skin Sens. 1	H319 H315 H317
Cineole*/**	470-82-6	207-431-5	-	<0.50	GHS02 GHS07 Warning	Flam. Liq. 3 Skin Sens. 1	H226 H317

*: Classification specified by the manufacturer; the substance is not listed in Annex VI of the Regulation (EC) No. 1272/2008.

** : 2-Hydroxy- $\alpha,\alpha,4$ -trimethylcyclohexanemethanol, Citronellol and Cineole are components of *Eucalyptus citriodora* oil, hydrated, cyclized (Active Substance) of the above table (3.2); According to ECHA, a "Representative Product" is a formulation which has been assessed and evaluated by the evaluating EU-Competent Authority along with the Active Substance (AS) substance (as integral part of the AS dossier).

For the full text of hazard statements, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

General information: In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes and launder thoroughly before reusing.

INGESTION:

Measures:

- Rinse the mouth thoroughly with water.
- Do not induce vomiting.
- Never give anything by mouth to an unconscious person.

INHALATION:

Measures:

- Remove affected person from the immediate area.
- Ensure supply of fresh air.

SKIN CONTACT:

Measures:

- When in contact with the skin, clean with soap and water.

EYE CONTACT:

Measures:

- Remove contact lenses.
- Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes).

4.2. Most important symptoms and effects, both acute and delayed:

Contains (2-Hydroxy- α , α ,4-trimethylcyclo-hexanemethanol; Citronellol; Cineole. May produce an allergic reaction.

4.3. Indication of any immediate medical attention and special treatment needed:

No special treatment needed; treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media:**5.1.1. Suitable extinguishing media:**

Water spray jet, foam, extinguishing powder, carbon dioxide.

5.1.2. Unsuitable extinguishing media:

High power water jet.

5.2. Special hazards arising from the substance or mixture:

In case of fire, smoke and other combustion products may be formed (carbon dioxide, carbon monoxide); the inhalation of such combustion products can have serious adverse effects on health.

5.3. Advice for firefighters:

Wear protective clothing and self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:**6.1.1. For non-emergency personnel:**

Allow only well-trained experts wearing suitable protective clothing to abide in the field of accident.

Refer to protective measures listed in sections 7 and 8. Do not inhale vapours/aerosols.

6.1.2. For emergency responders:

Personal protective equipment (PPE) - see section 8.

6.2. Environmental precautions:

Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.

6.3. Methods and material for containment and cleaning up:

Collect the spilled product with absorbent (e.g., sand, kieselguhr, acid binder, universal binder, sawdust), then place into a suitable, closed, properly labelled chemical waste container for removal/disposal.

Dispose of the collected waste as described in Section 13.

6.4. Reference to other sections:

For further and detailed information see Section 7, 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling:

Observe conventional hygiene precautions.

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

Do not eat, drink, or smoke when using this product.

Keep away from food, drink and animal feeding stuffs.

Wash hands and skin before breaks and after work.

Do not inhale vapours.

Remove soiled or soaked clothing immediately.

Technical measures:

Provide good ventilation at the work area (local exhaust ventilation, if necessary).

Precautions against fire and explosion:

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities:
Technical measures and storage condition:

Keep container tightly closed in a cool, well-ventilated place.

Keep from freezing.

Do not store together with foodstuffs. Do not store together with animal feedstocks.

Incompatible materials: See Section 10.5.

Packaging material: No special prescriptions.

7.3. Specific end use(s):

Observe instruction for use (Section 1.2).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Occupational exposure limit values (REGLUGERÐ um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum, Nr. 390/2009):

The components of the mixture are not regulated with exposure limit value.

2-Hydroxy- $\alpha,\alpha,4$ -trimethylcyclo-hexanemethanol (CAS: 42822-86-6):

DNEL values		Oral exposure		Dermal exposure		Inhalative exposure	
		Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)
Consumer	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	no data	no data	no data
Worker	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	20 mg/kg/day	no data	no data

PNEC values

Compartment	Value	Note(s)
Freshwater	no data	no note(s)
Marine water	0.174 $\mu\text{g/l}$	no note(s)
Freshwater sediment	no data	no note(s)
Marine water sediment	no data	no note(s)
Sewage Treatment Plant (STP)	10.28 mg/l	no note(s)
Intermittent release	no data	no note(s)
Secondary poisoning	no data	no note(s)
Soil	5.1 $\mu\text{g/kg}$	no note(s)

White mineral oil (petroleum) (CAS: 8042-47-5):

DNEL values		Oral exposure		Dermal exposure		Inhalative exposure	
		Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)
Consumer	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	40 mg/kg/day	no data	92 mg/kg/day	no data	35 mg/m ³
Worker	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	220 mg/kg/day	no data	160 mg/m ³

Citronellol (CAS: 106-22-9):

DNEL values		Oral exposure		Dermal exposure		Inhalative exposure	
		Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)
Consumer	Local	no data	no data	2950 $\mu\text{g/cm}^2$	no data	10 mg/m ³	10 mg/m ³
	Systemic	no data	13.8 mg/kg/day	no data	196.4 mg/kg/day	no data	47.8 mg/m ³
Worker	Local	no data	no data	no data	2950 $\mu\text{g/cm}^2$	10 mg/m ³	10 mg/m ³
	Systemic	no data	no data	no data	327.4 mg/kg/day	no data	161.6 mg/m ³

PNEC values		
Compartment	Value	Note(s)
Freshwater	0.002 mg/l	no note(s)
Marine water	0 mg/l	no note(s)
Freshwater sediment	0.026 mg/kg dwt	no note(s)
Marine water sediment	0.003 mg/kg dwt	no note(s)
Sewage Treatment Plant (STP)	550 mg/l	no note(s)
Intermittent release	0.024 mg/l	no note(s)
Secondary poisoning	no data	no note(s)
Soil	0.004 mg/kg dwt	no note(s)

Citronellyl acetate (CAS: 150-84-5):

DNEL values		Oral exposure		Dermal exposure		Inhalative exposure	
		Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)
Consumer	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	11.66 mg/kg/day	no data	no data	no data	no data
Worker	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	no data	no data	no data

PNEC values		
Compartment	Value	Note(s)
Freshwater	no data	no note(s)
Marine water	2.29 µg/l	no note(s)
Freshwater sediment	no data	no note(s)
Marine water sediment	no data	no note(s)
Sewage Treatment Plant (STP)	0.29 mg/l	no note(s)
Intermittent release	no data	no note(s)
Secondary poisoning	no data	no note(s)
Soil	0.86 mg/kg	no note(s)

8.2. Exposure controls:

In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.

8.2.1. Appropriate engineering controls:

In pursuance of work is proper foresight needed to avoid leaking onto clothes and floors and to avoid contact with eyes and skin.

8.2.2. Individual protection measures, such as personal protective equipment:

1. **Eye/face protection:** Use appropriate protective glasses (EN ISO 16321-1:2022; EN 166).

2. **Skin protection:**

a. **Hand protection:** In case of intensive contact, wear protective gloves (EN 374).

Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

b. **Other:** Use normal chemical work clothing.

3. **Respiratory protection:** If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

4. **Thermal hazards:** No thermal hazards known.

8.2.3. Environmental exposure controls:

No specific prescription.

The requirements detailed in section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions, an expert's advice is necessary before deciding upon further protective measures.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Parameter	Value / Test method / Remarks
1. Physical state	slightly viscous liquid, emulsion
2. Colour	white; opaque
3. Odour, odour threshold	flowery; lemony
4. Melting point/freezing point	no data*
5. Boiling point or initial boiling point and boiling range	no data*
6. Flammability	no data*
7. Lower and upper explosion limit	no data*
8. Flash point	104 °C (EC method A.9)
9. Auto-ignition temperature	570 °C (EEC A.15)
10. Decomposition temperature	no data*
11. pH	5.0 – 6.5 (CIPAC MT 75.3)
12. Kinematic viscosity	no data*
13. Solubility in water in other solvents	no data* no data*
14. Partition coefficient n-octanol/water (log value)	no data*
15. Vapour pressure	no data*
16. Density and/or relative density	0.95 – 1.01 g/ml (20 °C, OECD 109)
17. Relative vapour density	no data*
18. Particle characteristics	no data*

9.2. Other information:

9.2.1. Information with regard to physical hazard classes:

No further data available or not applicable for the product.

9.2.2. Other safety characteristics:

Dynamic viscosity: appr. 4.1 mPa.s (40 °C, OECD 114).

*: The manufacturer did not carry out any tests on this parameter for the product or the results of the tests are not available at the time of publication of the data sheet, or the property is not applicable for the product.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

No reactivity known.

10.2. Chemical stability:

Stable under recommended storage and handling conditions (See section 7).

10.3. Possibility of hazardous reactions:

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4. Conditions to avoid:

No conditions to avoid known if handled according to intended use.

10.5. Incompatible materials:

No incompatible materials known.

10.6. Hazardous decomposition products:

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008:**
Acute toxicity: Based on available data, the classification criteria are not met.
Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Serious eye damage/irritation: Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.
STOT-single exposure: Based on available data, the classification criteria are not met.
STOT-repeated exposure: Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.
- 11.1.1. Summaries of the information derived from the test conducted:**
No data available.
- 11.1.2. Relevant toxicological properties:**
Information about the product:
Serious eye damage/irritation:
Rabbit: non-irritant (OECD 405)
- Information about the components:
***Eucalyptus citriodora* oil, hydrated, cyclized** (CAS: 1245629-80-4):
Acute toxicity:
LD₅₀ (oral, rat): >5000 mg/kg bw (OECD 423, 20 % solution)
LD₅₀ (dermal, rat): >2000 mg/kg bw (OECD 402, 20 % solution)
Skin corrosion/irritation:
Non-irritant (ECHA)
Respiratory or skin sensitisation:
Skin: non-sensitizing (ECHA)
STOT-single exposure:
NOAEL (rat): 3500 mg/kg bw/day (20 % solution)
- 11.1.3. Information on likely routes of exposure:**
Ingestion, inhalation, skin contact, eye contact.
- 11.1.4. Symptoms related to the physical, chemical and toxicological characteristics:**
No data available.
- 11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure:**
Contains (2-Hydroxy- $\alpha,\alpha,4$ -trimethylcyclo-hexanemethanol; Citronello; Cineole. May produce an allergic reaction.
- 11.1.6. Interactive effects:**
No data available.
- 11.1.7. Absence of specific data:**
No information.
- 11.2. Information on other hazards:**
Endocrine disrupting properties:
Endocrine disrupting property: Based on available data, does not contain endocrine disruptors.
Other information:
No data available.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1. Toxicity:**
The mixture is not classified as hazardous for the environment.
Information about the components:
***Eucalyptus citriodora* oil, hydrated, cyclized** (CAS: 1245629-80-4):
LC₅₀ (fish): >35 mg/l/96 hours
EC₅₀ (Daphnia magna): >26 mg/l/48 hours
EC₅₀ (algae): 37 mg/l/72 hours
- 12.2. Persistence and degradability:**
Information about the components:
***Eucalyptus citriodora* oil, hydrated, cyclized** (CAS: 1245629-80-4):
Readily biodegradable.

- 12.3. **Bioaccumulative potential:**
No data available.
- 12.4. **Mobility in soil:**
No data available.
- 12.5. **Results of PBT and vPvB assessment:**
The product does not meet the criteria for PBT or vPvB substances.
- 12.6. **Endocrine disrupting properties:**
Endocrine disrupting property: Based on available data, does not contain endocrine disruptors.
- 12.7. **Other adverse effects:**
Do not discharge product unmonitored into the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1. **Waste treatment methods:**
Disposal according to the local regulations.
- 13.1.1. **Information regarding the disposal of the product:**
Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.
Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.
List of Waste Code:
No waste disposal key according to the List of Waste Code (LoW code) can be determined for this product, as only the purpose of application defined by the user enables an allocation. The LoW code number has to be determined after a discussion with a waste disposal specialist.
- 13.1.2. **Information regarding the disposal of the packaging:**
Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.
- 13.1.3. **Physical/chemical properties that may affect waste treatment options shall be specified:**
No data available.
- 13.1.4. **Sewage disposal:**
No data available.
- 13.1.5. **Special precautions for any recommended waste treatment:**
No data available.

SECTION 14: TRANSPORT INFORMATION

ADR/RID; ADN; IMDG; IATA:
Not subject to the conventions of carriage of dangerous goods.

- 14.1. **UN number or ID number:**
No UN Number.
- 14.2. **UN proper shipping name:**
No proper shipping name.
- 14.3. **Transport hazard class(es):**
No transport hazard classes.
- 14.4. **Packing group:**
No packaging group.
- 14.5. **Environmental hazards:**
No relevant information available.
- 14.6. **Special precautions for user:**
No relevant information available.
- 14.7. **Maritime transport in bulk according to IMO instruments:**
Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive (EC) No 1999/45 and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive (EEC) No 76/769 and Commission Directives (EEC) No 91/155, (EEC) No 93/67, (EC) No 93/105 and (EC) No 2000/21

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives (EEC) No 67/548 and (EC) No 1999/45, and amending Regulation (EC) No 1907/2006

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

REGULATION (EU) No 528/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 22 May 2012 concerning the making available on the market and use of biocidal products

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII:

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

The 20% EC Oil (H/C) formulation (Representative Product; RP) is not only offered in various liquid application forms (fingertip spray, trigger spray, BoV, brush, roll-on etc.) but it also serves as drench/stock solution for simple release material based products (e.g. wipes, cellulose balls, corn cob based granules, granule repellent sachets; all of those being inert, solid carrier materials). The given approach in fact follows the current guidance of the European Commission for carrier-based biocidal products Type A/Carrier-based biocidal products Type A (Subject: Handling "carriers" in the authorisation of biocidal products; CA-Nov16-Doc.4.3). The carrier materials operate as a simple carrier matrix; relevant for the classification is however the drench/stock solution. Following old national systems of EU-Member States, in which the formulation was expressed in weight/weight (w/w Active Substance per individual weight of carrier material), such value could have amounted to 5 % or 50 g/kg Active Substance or other weight-based values depending on the chosen carrier matrices.

15.2. Chemical safety assessment: Has not been carried out.

SECTION 16: OTHER INFORMATION

Information regarding the revision of the safety data sheet:

The safety data sheet has been revised according to Regulation (EU) 2020/878 (Section 1-16).

The composition and hazard classification of the mixture were modified compared to the previous version.

Date of issue: 14.03.2013 Version: 1

Date of revision: 06.03.2015 Version: 2

Date of revision: 14.04.2023 Version 3

This Safety Data Sheet supersedes all previous versions according to Annex II of Regulation (EC) No 1907/2006.

Literature references / data sources:

Previous version of the safety data sheet (06. 03. 2015, version 2)

Safety data sheet (16. 11. 2021, version 2.0.1, EN) issued by the manufacturer.

Methods used for the classification according to Regulation (EC) No 1272/2008:

Classification and labelling are based on toxicological studies performed on the product (mixture).

Relevant hazard statements (code and full text) of Sections 2 and 3:

H226 – Flammable liquid and vapour.

H304 – May be fatal if swallowed and enters airways.

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H319 – Causes serious eye irritation.

H412 – Harmful to aquatic life with long lasting effects.

EUH 208 – Contains (2-Hydroxy- $\alpha,\alpha,4$ -trimethylcyclo-hexanemethanol; Citronellol; Cineole. May produce an allergic reaction.

Training advice: No data available.

Full text of the abbreviations in the safety data sheet:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: Agreement concerning the International Carriage of Dangerous Goods by Road.

ATE: Acute Toxicity Estimate.

AOX: Adsorbable organic halides.

BCF: Bioconcentration factor.

BOD: Biological Oxygen Demand.

CAS number: Chemical Abstract Service number.

CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

CMR effects: Carcinogenic, mutagenic, reprotoxic effects.

COD: Chemical Oxygen Demand.

CSA: Chemical Safety Assessment.

CSR: Chemical Safety Report.

DNEL: Derived-No-Effect-Level.

ECHA: European Chemical Agency.

EC: European Community.

EC number: EINECS and ELINCS numbers (see also EINECS and ELINCS).

EEC: European Economic Community.

EEA: European Economic Area (EU + Iceland, Liechtenstein and Norway).

EINECS: European Inventory of Existing Commercial Chemical Substances.

ELINCS: European List of Notified Chemical Substances.

EN: European Norm.

EU: European Union.

EuPCS: European product categorisation system.

EWC: European Waste Catalogue (replaced by LoW – see below).

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

IATA: International Air Transport Association.

ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

IMO: International Maritime Organization.

IMSBC: International Maritime Solid Bulk Cargoes.

IUCLID: International Uniform Chemical Information Database.

IUPAC: International Union of Pure and Applied Chemistry.

Kow: n-Octanol - Water Partition Coefficient.

LC50: Lethal concentration resulting in 50 % mortality.

LD50: Lethal dose resulting in 50 % mortality (median lethal dose).

LoW: List of Waste.

LOEC: Lowest Observed Effect Concentration.

LOEL: Lowest Observed Effect Level.

NOEC: No Observed Effect Concentration.

NOEL: No Observed Effect Level.

NOAEC: No Observed Adverse Effect Concentration.

NOAEL: No Observed Adverse Effect Level.

OECD: Organization for Economic Cooperation and Development.

OSHA: Occupational Safety and Health Administration.

PBT: Persistent, Bioaccumulative and Toxic.

PNEC: Predicted No Effect Concentration.

QSAR: Quantitative Structure Activity Relationship.

REACH: Regulation 1907/2006/EC concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

SCBA: Self Contained Breathing Apparatus.

SDS: Safety Data Sheet.

STOT: Specific Target Organ Toxicity.

SVHC: Substances of Very High Concern.

UN: United Nations.

UVCB: Chemical Substances of Unknown or Variable Composition, Complex Reaction Products and Biological Materials.

VOC: Volatile Organic Compound.

vPvB: very Persistent and very Bioaccumulative.

This safety data sheet had been prepared on the basis of information provided by the manufacturer/supplier and conform to the relevant regulations.

The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the comprehensiveness of the information.

The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required.

Users are cautioned to determine the appropriateness and applicability of the above information to their circumstances and purposes and assume all risk associated with the use of this product.

It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product.

Safety data sheet was prepared by:
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